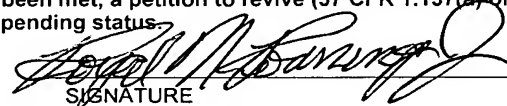


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| FORM P1-390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE<br>(Rev. 2-2003)   |   | ATTORNEY'S DOCKET NUMBER<br>PU02112  |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES</b><br><b>DESIGNATED/ELECTED OFFICE (DO/EO/US)</b><br><b>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>   |   | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br>to be assigned <b>10/538403</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP2003/014317  | INTERNATIONAL FILING DATE<br>16 December 2003 | PRIORITY DATE CLAIMED<br>17 December 2002  |
| TITLE OF INVENTION<br><b>OPTICAL MULTIPLEXER FOR LIQUID SAMPLES IN A CONDUIT</b>  |   |  |
| APPLICANT(S) FOR DO/EO/US<br>SALVEN, Owe and TORMOD, Stig   |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |   |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol> |   |  |
| Items 13 to 23 below concern document(s) or information included:   |   |  |
| <ol style="list-style-type: none"> <li>13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input checked="" type="checkbox"/> Express Mail Label No. <b>EV 430343725 US</b></li> <li>23. <input checked="" type="checkbox"/> Other items or information:</li> </ol>  |   |  |
| copy of this transmittal letter for charging purposes, Certificate of Mailing by Express Mail, copies of the non-US references cited on the Information Disclosure Statement, copy of the Search Report produced by the UK Patent Office and a return postcard  |   |  |

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|   |              |  |   |  |          |
|---|--------------|--|---|--|----------|
| U.S. APPLICATION NO (if known, see 37 CFR 1.51)<br><b>107/2538403</b>   |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/EP2003/014317</b>              |   | ATTORNEY'S DOCKET NUMBER<br><b>PU02112</b> |          |
| The following fees are submitted:   |              |  |   | CALCULATIONS                               | PTO USE  |
| 24. <input checked="" type="checkbox"/> Basic national fee .....  |              |  |   | \$   | \$300.00 |
| 25. <input checked="" type="checkbox"/> Examination fee<br>If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). ....   |              |  |   | \$   | \$200.00 |
| All other situations. ....  |              |  |   |  |          |
| 26. <input checked="" type="checkbox"/> Search fee .....  |              |  |   |  |          |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....   |              |  |   |  |          |
| International Search Report prepared and provided to the Office .....   |              |  |   | \$   | \$400.00 |
| All other situations. ....  |              |  |   | \$   | \$500.00 |
| <b>TOTAL OF 24, 25 and 26 =</b>   |              |  |   | \$   | \$900.00 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |              |  |   |  |          |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | RATE  |  |          |
| - 100 =   | 0            | /50 =  | 0   | x  | \$250.00 |
|   |              |  |   | \$   | \$0.00   |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |  |   | \$   |          |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA   | RATE  |  |          |
| Total claims  | 7 - 20 =     | 0  | x   | \$50.00                                    | \$       |
| Independent claims  | 1 - 3 =      | 0  | x   | \$200.00                                   | \$       |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00   |              |  |   | \$   | \$0.00   |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |  |   | \$   | \$900.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |  |   | \$   | \$0.00   |
| <b>SUBTOTAL =</b>   |              |  |   | \$   | \$900.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |              |  |   | \$   | \$0.00   |
| <b>TOTAL NATIONAL FEE =</b>   |              |  |   | \$   | \$900.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +   |              |  |   | \$   | \$0.00   |
| <b>TOTAL FEES ENCLOSED =</b>  |              |  |   | \$   | \$900.00 |
|   |              |  |   | Amount to be                               | \$       |
|   |              |  |   | Amount to be                               | \$       |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.<br>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>502-590</u> in the amount of <u>\$900.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>502-590</u> . A duplicate copy of this sheet is enclosed.<br>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. |              |  |   |  |          |
| <b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.   |              |  |   |  |          |
| SEND ALL CORRESPONDENCE TO:   |              |  |   |  |          |
| Customer No.: 22840   |              |  | <br>SIGNATURE<br>Royal N. Ronning, Jr.<br>NAME<br>32,529<br>REGISTRATION NUMBER |  |          |
| Amersham Biosciences Corp   |              |  |   |  |          |
| Patent Department   |              |  |   |  |          |
| 800 Centennial Avenue   |              |  |   |  |          |
| Piscataway, NJ 08855  |              |  |   |  |          |
| (732) 457-8423  |              |  |   |  |          |

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Owe Salven, et al.

Docket No.  
**107558403**

PU02112

JC17 Rec'd PCT/PTO 09 JUN 2005

|                                   |                               |                            |                       |                                  |
|-----------------------------------|-------------------------------|----------------------------|-----------------------|----------------------------------|
| Application No.<br>to be assigned | Filing Date<br>to be assigned | Examiner<br>to be assigned | Customer No.<br>22840 | Group Art Unit<br>to be assigned |
|-----------------------------------|-------------------------------|----------------------------|-----------------------|----------------------------------|

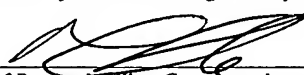
Invention: **OPTICAL MULTIPLEXER FOR LIQUID SAMPLES IN A CONDUIT**

I hereby certify that the following correspondence:

transmittal letter with copy, filing fee, First Preliminary Amendment (7pgs), unsigned combined Declaration/Power of Attorney (3pgs), Information Disclosure Statement (Form PTO-1449) (1pg) w/copies of the non-US cited references, copy of the published international application, copy of the international preliminary examination report, copy of the international search report, copy of the search report produced by the UK Patent Office and a return postcard

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

9 June 2005*(Date)*Melissa Leck*(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)*EV 430343725 US*(("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**